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password database

cfldap

store general passwords compare entered password to all stored passwords

database compares all passwords for match

"multiple passwords" authentication manager

multiple passwords same user

password multivalue attribute

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+problems +passwords

### **IEEE**

ldap <and> password <and> application <and> authentication <and> access

ldap <and> password

ldap <and> authentication

authentication server

ldap server store password

passwords

"same password"

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Relevance scale ☐ ☐ ☐ ☐ ☐1 hyperDRIVE: leveraging LDAP to implement RBAC on the Web

Larry S. Bartz

November 1997 **Proceedings of the second ACM workshop on Role-based access control**Full text available: pdf(630.24 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)2 Early adopters an internet 2 middleware project

Jay Graham, Jeffrey Cepull

October 2000

Full text available:

LDAP

**Annual ACM SIGUCCS conference on User**  
**e**
Information: [full citation](#), [references](#), [index terms](#)**Keywords:**

operability, middleware

3 Challenges in

systems: using

Gerald A. Winter

October 1993 **Pr**

or

Full text available:

An integral part of  
information re

design, analysis, and comparison of information repositories for such systems. We first outline the general characteristics of data repositories, including requirements and data model features. Then we build an experimental prototype system to test two candidate repositories: X.500 and AFS (Andrew File System). Performance an ...

ing heterogeneous distributed computing

**ference of the Centre for Advanced Studies**  
**istributed computing - Volume 2**
Information: [full citation](#), [abstract](#), [references](#)
 s distributed computing systems is an  
 our research is to specify a methodology for the
4 Improving the aircraft design process using Web-based modeling and simulation

John A. Reed, Gregory J. Follen, Abdollah A. Afjeh

January 2000 **ACM Transactions on Modeling and Computer Simulation (TOMACS),**

Volume 10 Issue 1

Full text available: pdf(1.06 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Designing and developing new aircraft systems is time-consuming and expensive. Computational simulation is a promising means for reducing design cycle times, but requires a flexible software environment capable of integrating advanced multidisciplinary and multifidelity analysis methods, dynamically managing data across heterogeneous computing platforms, and distributing computationally complex tasks. Web-based simulation, with its emphasis on collaborative composition of simulation models, ...

**Keywords:** Java, Web-based simulation, aircraft design, object-oriented

5 Using policies for effective network management

Michele J. Wright

March 1999 **International Journal of Network Management**, Volume 9 Issue 2

Full text available:  pdf(469.84 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The goal of policy-based management is to reduce the complex administration of networks. Copyright © 1999 John Wiley & Sons, Ltd.

6 Decentralized user-role assignment for Web-based intranets

Ravi Sandhu, Joon S. Park

October 1998 **Proceedings of the third ACM workshop on Role-based access control**

Full text available:  pdf(1.35 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

7 SaveMe: a system for archiving electronic documents using messaging groupware

Stefan Berchtold, Alexandros Biliris, Euthimios Panagos

March 1999 **ACM SIGSOFT Software Engineering Notes, Proceedings of the international joint conference on Work activities coordination and collaboration**, Volume 24 Issue 2

Full text available:  pdf(1.47 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Today, organizations deal with an ever-increasing number of documents that have to be archived because they are either related to their core business (e.g., product designs) or needed to meet corporate or legal retention requirements (e.g., voucher). In this paper, we present the architecture and prototype implementation of SaveMe, a document archival system that is based on network-centric groupware such as Internet standards-based messaging systems. In SaveMe, the actions of archiving, retrieval ...

**Keywords:** Internet, archiving, groupware, messaging

8 A grid-enabled MPI: message passing in heterogeneous distributed computing systems

Ian Foster, Nicholas T. Karonis

November 1998 **Proceedings of the 1998 ACM/IEEE conference on Supercomputing (CDROM)**

Full text available:  html(52.16 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)


Application development for high-performance distributed computing systems, or computational grids as they are sometimes called, requires "grid-enabled" tools that hide mundane aspects of the heterogeneous grid environment without compromising performance. As part of an investigation of these issues, we have developed MPICH-G, a grid-enabled implementation of the Message Passing Interface (MPI) that allows a user to run MPI programs across multiple computers at different sites using the same co ...

**Keywords:** MPI, MPICH, Message Passing Interface, computational grids, globus, metacomputing

9 The evolution of the DARWIN system

Joan D. Walton, Robert E. Filman, David J. Korsmeyer

March 2000 **Proceedings of the 2000 ACM symposium on Applied computing**


Full text available:  pdf(897.54 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** DARWIN, WWW applications, collaborative engineering, distributed analysis, wind-tunnel

10 Bibliography of recent publications on computer communication

Martha Steenstrup

January 1998 **ACM SIGCOMM Computer Communication Review**, Volume 28 Issue 1


Full text available:  pdf(2.02 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The quantitative results presented in our SIGCOMM '97 paper [1] include numerous minor errors. These errors were caused by programming bugs that led to faulty analyses and simulations, and by inaccurate transcriptions during the preparation of the paper. Here we present corrected figures and tables, as well as corrections to values that appeared in the text of the original paper. The effect of correcting the errors is to reduce the differences between the results based on the proxy trace and tho ...

11 Bibliography of recent publications on computer communication

Martha Sreenstrup

October 1995 **ACM SIGCOMM Computer Communication Review**, Volume 25 Issue 5

Full text available:  pdf(1.44 MB) Additional Information: [full citation](#), [index terms](#)

12 Windows 2000 deployment technical challenges at the University of Colorado at Boulder

Brad Judy, Al Roberts, David Bodnar

October 2000 **Proceedings of the 28th annual ACM SIGUCCS conference on User services: Building the future**


Full text available:  pdf(156.15 KB) Additional Information: [full citation](#), [index terms](#)

**Keywords:** DNS, Windows 2000, active directory, kerberos

13 Helpdesk drew.edu: home growing a helpdesk solution using open-source technology

John Saul, Betsy Black, Erik Larsson

October 2000 **Proceedings of the 28th annual ACM SIGUCCS conference on User services: Building the future**

Full text available:  pdf(192.35 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** MySQL, PHP, helpdesk, open-source technology, tickets, trouble tracking

**14 A case for data-driven testing**


Tony Greening, Glenn Stevens, David Stratton

July 2000 **ACM SIGCSE Bulletin , Proceedings of the 5th annual SIGCSE/SIGCUE ITiCSE conference on Innovation and technology in computer science education**, Volume 32 Issue 3Full text available:  pdf(405.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


This paper describes a novel approach to the on-line assessment of large groups of students, in which it may be desirable to maintain common questions between the groups. It is clear from the literature that computer based assessment has the potential to dramatically reduce the effort involved in testing and marking however problems arise where the cohort of students is larger than the number of available computers. However, the opposite situation is often true in practice, due to the perceived ...

**15 Remedial help desk 101 at Florida State University**

Diana Orrick, Jeff Bauer, Ernest McDuffie

October 2000 **Proceedings of the 28th annual ACM SIGUCCS conference on User services: Building the future**Full text available:  pdf(161.50 KB) Additional Information: [full citation](#), [references](#), [index terms](#)**Keywords:** help desk, self-help knowledge base, user support**16 Digital certificates: a survey of revocation methods**

Petra Wohlmacher

November 2000 **Proceedings of the 2000 ACM workshops on Multimedia**Full text available:  pdf(455.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Digital certificates form a basis that allows entities to trust each other. Due to different constraints, a certificate is only valid within a specific period of time. Coming from several threats, there are important reasons why its validity must be terminated sooner than assigned and thus, the certificate needs to be revoked. This paper provides a classification of revocation methods and gives an overview of the main methods like CRL, CRS, CRT, and OCSP. If and in which way a revocation meth ...

**Keywords:** CRL, CRS, CRT, OCSP, X.509, attribute certificate, digital certificate, public-key certificate, revocation

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☐ Check to search within this result set**Results Key:****JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard**1 Key distribution without individual trusted authentication servers***Liqun Chen; Gollmann, D.; Mitchell, C.;*

Computer Security Foundations Workshop, 1995. Proceedings., Eighth IEEE , June 1995

Pages:30 - 36

[\[Abstract\]](#)   [\[PDF Full-Text \(524 KB\)\]](#)   IEEE CNF**2 An authentication server in Java implementation of an encryption framework model and DES algorithm in Java***Batista De Almeida, L.; Godoy, W., Jr.; Kovalski, J.L.;*

Telecommunications Symposium, 1998. ITS '98 Proceedings. SBT/IEEE International , Volume: 2 , 9-13 Aug. 1998

Pages:627 - 631 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(432 KB\)\]](#)   IEEE CNF**3 Increasing availability and security of an authentication service***Gong, L.;*

Selected Areas in Communications, IEEE Journal on , Volume: 11 , Issue: 5 , 1993

Pages:657 - 662

[\[Abstract\]](#)   [\[PDF Full-Text \(620 KB\)\]](#)   IEEE JNL**4 On the Matsumoto and Imai human identification scheme***Wang, C.-H.; Hwang, T.; Tsai, J.-J.;*

Computers and Digital Techniques, IEE Proceedings- , Volume: 142 , Issue: 5 , Sept. 1995

Pages:313 - 317

[\[Abstract\]](#) [\[PDF Full-Text \(288 KB\)\]](#) IEEE JNL

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**5 Authentication method with impersonal token cards**

*Molva, R.; Tsudik, G.;*

Research in Security and Privacy, 1993. Proceedings., 1993 IEEE Computer S  
Symposium on , 24-26 May 1993

Pages:56 - 65

[\[Abstract\]](#) [\[PDF Full-Text \(728 KB\)\]](#) IEEE CNF

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**6 An architecture for user authentication of IP multicast and its implementation**

*Ishikawa, N.; Yamanouchi, N.; Takahashi, O.;*

Internet Workshop, 1999. IWS 99 , 18-20 Feb. 1999

Pages:81 - 87

[\[Abstract\]](#) [\[PDF Full-Text \(524 KB\)\]](#) IEEE CNF

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**7 Secure delegation of tasks in distributed systems**

*Hardjono, T.; Chikaraishi, T.; Ohta, T.;*

TRON Project International Symposium. 1993., The 10th , 1-2 Dec. 1993

Pages:98 - 112

[\[Abstract\]](#) [\[PDF Full-Text \(1268 KB\)\]](#) IEEE CNF

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**8 Secure communication in internet environments: a hierarchical key management scheme for end-to-end encryption**

*Lu, W.-P.; Sundareshan, M.K.;*

Communications, IEEE Transactions on , Volume: 37 , Issue: 10 , Oct. 1989

Pages:1014 - 1023

[\[Abstract\]](#) [\[PDF Full-Text \(1080 KB\)\]](#) IEEE JNL

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**9 User-friendly access control for public network ports**

*Appenzeller, G.; Roussopoulos, M.; Baker, M.;*

INFOCOM '99. Eighteenth Annual Joint Conference of the IEEE Computer and  
Communications Societies. Proceedings. IEEE , Volume: 2 , 21-25 March 1999

Pages:699 - 707 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(888 KB\)\]](#) IEEE CNF

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**10 On belief evolution in authentication protocols**

*Kailar, R.; Gligor, V.D.;*

Computer Security Foundations Workshop IV, 1991. Proceedings , 18-20 June  
1991

Pages:103 - 116

[\[Abstract\]](#) [\[PDF Full-Text \(960 KB\)\]](#) IEEE CNF

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### Building an LDAP Server on Linux, Part 4

... Building an **LDAP Server** on Linux, Part 4 December 10, 2003 By ... Il be discussing how to add security to our OpenLDAP **server**. ... We don't want to **store** the rootpw in ...  
[networking.earthweb.com/netsysm/article.php/3287491](http://networking.earthweb.com/netsysm/article.php/3287491) - 36k -  
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#### LDAP Directory Server

M-Vault: High performance, scalable  
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[www.isode.com](http://www.isode.com)

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### Launching IOM Servers

... The **server** definition can either be loaded from persistent **storage** (a file or **LDAP server**), or created ... The **server** definition is independent of the user. ...  
[support.sas.com/rnd/itech/doc9/dev\\_guide/dist-obj/winclnt/workman/launch.html](http://support.sas.com/rnd/itech/doc9/dev_guide/dist-obj/winclnt/workman/launch.html) - 23k -  
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### The A-Select Authentication System

... **ssl.keystore.password**, The **password** for the SSL keystore in which the certificates of **SSL/LDAP Servers** are **stored**. This directive ...  
[a-select.surfnet.nl/version/1.3/config/asp/ldap.html](http://a-select.surfnet.nl/version/1.3/config/asp/ldap.html) - 9k - [Cached](#) - [Similar pages](#)

### LDAP Authentication

... their own **LDAP directory servers** where they centrally **store** information on all the users of their computing equipment, including their user ids and **passwords**. ...  
[philip.greenspun.com/doc/ldap-authentication](http://philip.greenspun.com/doc/ldap-authentication) - 4k - [Cached](#) - [Similar pages](#)

### No more passwords in Starteam

... fact that Starteam doesn't **store passwords** any more ... Expired **passwords** and reseting accounts after too many ... network support team that manages the **LDAP server**.  
...

[blogs.borland.com/rassiesmit/archive/2004/06/21/559.aspx](http://blogs.borland.com/rassiesmit/archive/2004/06/21/559.aspx) - 11k - [Cached](#) - [Similar pages](#)

### OpenLDAP Authentication Setup

... These mechanisms require **storage** of the secrets in the SASL ... the client passes a service ticket to the **server**. ... in your slapd.conf if the **LDAP server** host's fully ...  
[www.ameritech.net/users/mhwood/ldap-sec-setup.html](http://www.ameritech.net/users/mhwood/ldap-sec-setup.html) - 7k - [Cached](#) - [Similar pages](#)

### CRAM-MD5 Authentication

... the MD5 algorithm. The **LDAP server** then uses the client's **stored password** to determine whether the client used the right **password**. ...  
[java.sun.com/products/jndi/tutorial/ldap/security/crammd5.html](http://java.sun.com/products/jndi/tutorial/ldap/security/crammd5.html) - 7k -  
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### TrackStudio -- Hierarchical Issue Tracking Software

... A user can log into the system if his/her **password** matches the one **stored** in the ... to yes, TrackStudio is connected to the specified **LDAP server** during login ...  
[www.trackstudio.com/documentation/LDAP\\_Authentication.html](http://www.trackstudio.com/documentation/LDAP_Authentication.html) - 18k -  
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### Preparing your LDAP server

... This object class will **store** the actual ... Roaming Profiles and will not use your **LDAP server** for anything ... Substitute your desired administrator **password** for the ...  
[www.cerritoslug.org/tutorials/ldap/preparing.html](http://www.cerritoslug.org/tutorials/ldap/preparing.html) - 10k - [Cached](#) - [Similar pages](#)

Re: comments to draft-ietf-ldapbis-authmeth-04.txt

... which mechanisms that are standardized by the LDAP standard do ... methods need/don't need the **server** to know ... of '**store**' because it could still **store** the **password** ...

[www.openldap.org/lists/ietf-ldapbis/200309/msg00045.html](http://www.openldap.org/lists/ietf-ldapbis/200309/msg00045.html) - 8k - [Cached](#) - [Similar pages](#)

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- # 1 Unified login with pluggable authentication modules (PAM)

Vipin Samar

January 1996 **Proceedings of the 3rd ACM conference on Computer and communications security**


Full text available:  pdf(1.12 MB)

Additional Information: full citation, references, index terms

- ## 2 Password hardening based on keystroke dynamics

Fabian Monrose, Michael K. Reiter, Susanne Wetzels

November 1999 **Proceedings of the 6th ACM conference on Computer and communications security**


Full text available:  pdf(1.01 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present a novel approach to improving the security of passwords. In our approach, the legitimate user's typing patterns (e.g., durations of keystrokes, and latencies between keystrokes) are combined with the user's password to generate a hardened password that is convincingly more secure than conventional passwords against both online and offline attackers. In addition, our scheme automatically adapts to gradual changes in a user's typing patterns while maintaining the s ...

- <sup>3</sup> Cryptanalysis of Microsoft's point-to-point tunneling protocol (PPTP).

Bruce Schneier, Mudge


November 1998 **Proceedings of the 5th ACM conference on Computer and communications security**Full text available:  pdf(1.02 MB)

Additional Information: full citation, references, citings, index terms

- #### 4 ACM Forum: letters

Robert L. Ashenhurst

November 1984 **Communications of the ACM**, Volume 27 Issue 11

Full text available:  pdf(460.71 KB)

Additional Information: full citation, index terms

## 5 Public-key cryptography and password protocols

Shai Halevi, Hugo Krawczyk

August 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2  
Issue 3

Full text available:  pdf(275.84 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

We study protocols for strong authentication and key exchange in asymmetric scenarios where the authentication server possesses a pair of private and public keys while the client has only a weak human-memorizable password as its authentication key. We present and analyze several simple password authentication protocols in this scenario, and show that the security of these protocols can be formally proven based on standard cryptographic assumptions. Remarkably, our analysis shows optimal re ...

**Keywords:** dictionary attacks, hand-held certificates, key exchange, passwords, public passwords, public-key protocols

## 6 High dictionary compression for proactive password checking

Francesco Bergadano, Bruno Crispo, Giancarlo Ruffo

November 1998 **ACM Transactions on Information and System Security (TISSEC)**, Volume 1  
Issue 1

Full text available:  pdf(141.89 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


The important problem of user password selection is addressed and a new proactive password-checking technique is presented. In a training phase, a decision tree is generated based on a given dictionary of weak passwords. Then, the decision tree is used to determine whether a user password should be accepted. Experimental results described here show that the method leads to a very high dictionary compression (up to 1000 to 1) with low error rates (of the order of 1%). A prototype implementat ...

**Keywords:** access control, decision trees, password selection, proactive password checking

## 7 Easy entry: the password encryption problem

Jason Gait

July 1978 **ACM SIGOPS Operating Systems Review**, Volume 12 Issue 3


Full text available:  pdf(527.20 KB)

Additional Information: [full citation](#), [references](#)

## 8 Crisis and aftermath

E. H. Spafford

June 1989 **Communications of the ACM**, Volume 32 Issue 6

Full text available:  pdf(1.18 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Last November the Internet was infected with a worm program that eventually spread to thousands of machines, disrupting normal activities and Internet connectivity for many days. The following article examines just how this worm operated.

## 9 Password security: a case history

Robert Morris, Ken Thompson

November 1979 **Communications of the ACM**, Volume 22 Issue 11

Full text available:  pdf(446.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)


This paper describes the history of the design of the password security scheme on a remotely accessed time-sharing system. The present design was the result of countering observed attempts to penetrate the system. The result is a compromise between extreme security and ease of use.

**Keywords:** computer security, operating systems, passwords

10 [Password authentication with insecure communication](#)

Leslie Lamport

November 1981 **Communications of the ACM**, Volume 24 Issue 11

Full text available:  pdf(303.52 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A method of user password authentication is described which is secure even if an intruder can read the system's data, and can tamper with or eavesdrop on the communication between the user and the system. The method assumes a secure one-way encryption function and can be implemented with a microcomputer in the user's terminal.

**Keywords:** authentication, one-way function, passwords, security

11 [Authentication in office system internetworks](#)

Jay E. Israel, Theodore A. Linden

July 1983 **ACM Transactions on Information Systems (TOIS)**, Volume 1 Issue 3

Full text available:  pdf(1.28 MB) Additional Information: [full citation](#), [references](#), [index terms](#)

12 [Apache User Authentication](#)

Ibrahim F. Haddad

October 2000 **Linux Journal**


Full text available:  html(13.41 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A guide to setting up user authentication for the Apache web server running on Linux, using the plaintext file method.

13 [Protection and the control of information sharing in multics](#)


Jerome H. Saltzer

July 1974 **Communications of the ACM**, Volume 17 Issue 7


Full text available:  pdf(1.75 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The design of mechanisms to control the sharing of information in the Multics system is described. Five design principles help provide insight into the tradeoffs among different possible designs. The key mechanisms described include access control lists, hierarchical control of access specifications, identification and authentication of users, and primary memory protection. The paper ends with a discussion of several known weaknesses in the current protection mechanism design.

**Keywords:** Multics, access control, authentication, computer utilities, descriptors, privacy, proprietary programs, protected subsystems, protection, security, time-sharing systems, virtual memory

**14 Securing user passwords**April 2000 **Communications of the ACM**, Volume 43 Issue 4Full text available:  pdf(104.85 KB) html(11.63 KB)Additional Information: [full citation](#), [index terms](#)**15 Virtual Network Computing**


Brian Harvey

February 1999 **Linux Journal**Full text available:  html(10.93 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Mr. Harvey tells us about virtual network computing and how to set it up to control MS Windows Application from Linux

**16 Public-key cryptography and password protocols: the multi-user case**

Maurizio Kliban Boyarsky

November 1999 **Proceedings of the 6th ACM conference on Computer and communications security**Full text available:  pdf(1.00 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The problem of password authentication over an insecure network when the user holds only a human-memorizable password has received much attention in the literature. The first rigorous treatment was provided by Halevi and Krawczyk, who studied off-line password guessing attacks in the scenario in which the authentication server possesses a pair of private and public keys. In this work we: Show the inadequacy of both the HK formalization and protocol in the ...

**17 Linux Systems Administration: Maximizing Linux Security, Part I**January 1996 **Linux Journal**Full text available:  html(27.63 KB)Additional Information: [full citation](#), [references](#), [index terms](#)**18 Creating usable e-commerce sites**

Janice Anne Rohn

September 1998 **StandardView**, Volume 6 Issue 3Full text available:  pdf(316.30 KB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**19 Microcomputer management of the Bank of New England**

William Jennings

September 1986 **Proceedings of the Northeast ACM symposium on Personal computer security**Full text available:  pdf(717.74 KB)Additional Information: [full citation](#), [index terms](#)**20 ID-based secret-key cryptography**

Marc Joye, Sung-Ming Yen

October 1998 **ACM SIGOPS Operating Systems Review**, Volume 32 Issue 4Full text available:  pdf(513.15 KB)Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This paper introduces *ID-based secret-key cryptography*, in which secret keys are privately

and uniquely binded to an identity. This enables to extend public-key cryptography features at the high throughput rate of secret-key cryptography. As applications, efficient login protocols, an enhanced version of Kerberos, and an ID-based MAC algorithm are presented. ID-based systems were initially developed in the context of public-key cryptography by removing the need of explicit public keys. The ...

**Keywords:** ID-based systems, Kerberos, MACs, authentication protocols, one-time passwords, secret-key cryptography

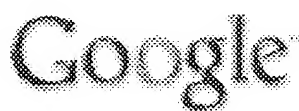
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**Definition of Authentication Server**

Definition of **Authentication Server**. An **Authentication Server** is a system which provides **Authentication** services to other systems on a network. ...

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... Radius **Authentication Server**. The PAMPIN **server** contains a fully adequate radius **server**, on which the users and the corresponding ...

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... process wants to make use of the **authentication** protocol described earlier in this text,

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### **Authentication Server**

... **Authentication Server**. ... The API allows the **server** to delegate its access control policies for portions of its document tree to a separate **authentication server**. ...  
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-	243	@ad<20001214 and (ldap) and password and (user userid login) and database and application and access\$3	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/01 07:52
-	213	@ad<20001214 and (ldap) and password and (user userid login) and database and (application same access\$3)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 13:30
-	65	@ad<20001214 and (ldap same database) and (password same (user userid login)) and (application same access\$3) and (713/\$.ccls. 709/\$.ccls. 705/\$.ccls. 380/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 13:34
-	66	@ad<20001214 and (ldap) and (password same (user userid login) same database) and (application same access\$3) and (713/\$.ccls. 709/\$.ccls. 705/\$.ccls. 380/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 13:37
-	5	@ad<20001214 and (ldap) and (password same (user userid login) same database same central) and (application with access\$3) and (713/\$.ccls. 709/\$.ccls. 705/\$.ccls. 380/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 13:47
-	541	@ad<20001214 and (password same database same regist\$9)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 13:47
-	85	@ad<20001214 and (password same database same regist\$9) and (access\$3 same application) and (application near5 (id identity identif\$9))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 13:50
-	25	(@ad<20001214 and (password same database same regist\$9) and (access\$3 same application) and (application near5 (id identity identif\$9))) and 713/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 14:04
-	0	((("EP\$-\$919904\$-\$") or ("EP\$-\$949788\$-\$")).PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 14:04
-	13	"919904" "949788"	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 14:33
-	150	713/152,155,202,183,168.ccls. and 709/203,229.ccls.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 14:34
-	5	(713/152,155,202,183,168.ccls. and 709/203,229.ccls.) and ldap	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 14:34
-	17	(713/152,155,202,183,168.ccls. and 709/203,229.ccls.) and 707/10.ccls.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 14:46
-	1	6324648.pn. and password	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 16:03
-	394	ldap same password same (user userid name username)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 16:03
-	7	ldap same password same (user userid name username) same (access\$3 near application)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 16:04

-	44	ldap same password same (user userid name username) same (access\$3 with application)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/28 16:04
-	21	ldap same password same (user userid name username) same (access\$3 with application) same authenticat\$3	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 07:20
-	21	ldap same (password with (user userid name username)) same (access\$3 with application) same authenticat\$3	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 07:21
-	138	database same (password with (user userid name username)) same (access\$3 with application) same authenticat\$3	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 07:26
-	40	(database same (password with (user userid name username)) same (access\$3 with application) same authenticat\$3) and (713/152,155,202,183,168.ccls. 709/203,229.ccls. 707/10.ccls.)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 07:22
-	31	(database same (password with (user userid name username)) same (access\$3 with application) same authenticat\$3) and (authorized near3 application)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 07:24
-	42	database same (password with (user userid name username)) same (access\$3 with application) same authenticat\$3 same (application with (authoriz\$5 allow\$5))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 07:34
-	16	(database same (password with (user userid name username)) same (access\$3 with application) same authenticat\$3 same (application with (authoriz\$5 allow\$5))) and @ad<20001214	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 07:36
-	1	("6598167").PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 07:51
-	5	((("6240512") or ("6178511") or ("6243816") or ("5,838,903") or ("5862323"))).PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 07:53
-	63	@ad<20001214 and (ldap) and password and "user ID" and login and server and application and authenticat\$3 and verif\$9 and database	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 08:32
-	94	@ad<20001214 and (database same (password same "user ID")) and server and (application with (id ident\$12)) and authenticat\$3 and verif\$9	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 08:33
-	109	@ad<20001214 and (database same (password same "user ID")) and server and (application with (id ident\$12)) and authenticat\$3	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 08:35
-	17	@ad<20001214 and (database same (password same "user ID")) and server and ((application adj2 (id ident\$12)) same database) and authenticat\$3	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 08:36
-	13	@ad<20001214 and (database same (password same "user ID")) and server and ((application adj2 (id ident\$12)) same database) and authenticat\$3 and regist\$9	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 08:39
-	13	@ad<20001214 and (database same (password same "user ID")) and ((application adj2 (id ident\$12)) same database) and authenticat\$3 and regist\$9	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 08:41
-	643	@ad<20001214 and (identifying adj2 application)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 08:42

-	3	@ad<20001214 and (database same (password same "user ID")) and server and (application with (id ident\$12)) and authenticat\$3) and (identifying adj2 application)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 08:43
-	1	20020116648.pn.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 15:10
-	0	@ad<20001214 and (single adj sign adj on) and (central with (authenticat\$3 authoriz\$5))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 08:45
-	0	@ad<20001214 and (single adj sign adj on)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 08:45
-	103	@ad<20001214 and ("single sign-on")	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 08:45
-	0	@ad<20001214 and ("single sign on")	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 08:45
-	565	@ad<20001214 and ("single sign-on" SSO)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 08:45
-	12	@ad<20001214 and ("single sign-on" SSO) and (authenticat\$3 authoriz\$3) and password and ((identif\$5 id) near application) and ldap and database ("6182142").PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 09:25
-	1		USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 14:18
-	6	US-5544246-\$.DID. OR US-5950199-\$.DID. OR US-5218696-\$.DID. OR US-6032216-\$.DID. OR US-6023464-\$.DID. OR US-6009103-\$.DID.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 09:58
-	2	(US-5544246-\$.DID. OR US-5950199-\$.DID. OR US-5218696-\$.DID. OR US-6032216-\$.DID. OR US-6023464-\$.DID. OR US-6009103-\$.DID.) and password	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 09:58
-	5	(US-5544246-\$.DID. OR US-5950199-\$.DID. OR US-5218696-\$.DID. OR US-6032216-\$.DID. OR US-6023464-\$.DID. OR US-6009103-\$.DID.) and database	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 10:02
-	167	@ad<20001214 and password same registry	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 10:03
-	17	@ad<20001214 and password same registry and ldap	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 10:13
-	1777	@ad<20001214 and password with (database repository)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 10:13
-	1777	@ad<20001214 and (password with (database repository))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 10:13
-	279	@ad<20001214 and (password with (database repository)) same application	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 10:13

-	30	@ad<20001214 and (password with (database repository)) same (application with authoriz\$7)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 10:21
-	1	("20020073309").PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 10:34
-	1	("20020073309").PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 12:37
-	1	("6754825").PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 13:37
-	309	applications with passwords	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 14:04
-	69	(applications with passwords) and (password with (database registry repository))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 14:04
-	27	((applications with passwords) and (password with (database registry repository))) and @ad<20001214	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 14:04
-	4006	attribute same (refer\$7 with object)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 14:20
-	1293	attribute with (refer\$7 near3 object)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 14:19
-	7	attribute with (refer\$7 near3 object) same password	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 14:19
-	216	attribute with (refer\$7 near3 object) same user	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 14:19
-	6	(attribute with (refer\$7 near3 object) same password) and (attribute with (refer\$7 near3 object) same user)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 14:19
-	6	attribute same (referral with object)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 15:03
-	0	(compare adj2 all) with passwords	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 15:03
-	0	(compar\$3 with all) with passwords	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 15:04
-	3540	(compar\$5) with passwords	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 15:04
-	64	(compar\$5) with (many total all multiple every each) with passwords	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/06/29 15:05
-	1	20020116648.pn. and authenticat\$3	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/01 11:21

-	61	"password manager"	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/01 08:29
-	971	(compar\$3 with password) same match	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/01 08:29
-	0	(compar\$3 with password) same match same ("all" near3 password)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/01 08:29
-	0	(compar\$3 with password) same match same (each near3 password)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/01 08:30
-	10	(compar\$3 with password) same match same (every near3 password)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/01 08:30
-	37626	700/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/01 11:21
-	995	700/\$.ccls. and (password "access code" "entry code")	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/01 11:22
-	581	(700/\$.ccls. and (password "access code" "entry code")) and @ad<20001214	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/01 11:22
-	457	((700/\$.ccls. and (password "access code" "entry code")) and @ad<20001214) and (password)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/01 11:23
-	159	((700/\$.ccls. and (password "access code" "entry code")) and @ad<20001214) and (password)) and (password with (check\$3 match\$3 compar\$5 verif\$9 validat\$3 authenticat\$3 authoriz\$5))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/01 12:35
-	118	((700/\$.ccls. and (password "access code" "entry code")) and @ad<20001214) and (password)) and (password with (check\$3 match\$3 compar\$5 verif\$9 validat\$3 authenticat\$3 authoriz\$5)) and level	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/01 12:50
-	12	((700/\$.ccls. and (password? "access code" "entry code")) and @ad<20001214) ) and (password? with (check\$3 match\$3 compar\$5 verif\$9 validat\$3 authenticat\$3 authoriz\$5)) and (stor\$3 with passwords)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 06:49
-	34	'credential server'	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 06:50
-	57	"password manager"	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 06:51
-	2069	"authentication server"	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 06:51
-	1153	"authentication server" and (regist\$9)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 06:51
-	746	("authentication server" and (regist\$9)) and (password)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 06:52

-	1149	server same stor\$3 same passwords	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 06:53
-	368	server with stor\$3 with passwords	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 06:53
-	225	(server with stor\$3 with passwords) and authentica\$3	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 06:53
-	26	(server with stor\$3 with passwords) and authentica\$3 and (send\$3 with password?)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 07:05
-	11	application adj specific adj authentication	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 07:08
-	176	"authentication server" and (database with applications)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 07:33
-	33	(stor\$3 and password).ti.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 07:43
-	7	consolidat\$3 near3 password	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 07:45
-	13	"application authentication server"	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 07:49
-	288	"authentication server" and ((determin\$9 identif\$9 ascertain\$5) near2 (application requestor))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 07:50
-	274	"authentication server" and ((determin\$9 identif\$9 ascertain\$5) near2 (application))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 07:50
-	206	"authentication server" and ((determin\$9 identif\$9 ascertain\$5) near2 (application)) and database and password	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 07:50
-	4	"authentication server" and (((determin\$9 identif\$9 ascertain\$5) near2 (application)) same database same password)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 07:51
-	3	"authentication server" and (((identif\$9 ) near2 (application)) same database same password)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 07:53
-	0	"authentication server" and ((plurality multiple many several) near3 passwords near3 per near3 user)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 07:54
-	2	((plurality multiple many several) near3 passwords near3 per near3 user)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 07:55
-	6	((different near passwords) with (different near applications))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 08:17
-	3	"same" with password with applications with ??secure	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 08:18

-	3	single with password with applications with ??secure	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 08:18
-	27	single with password with multiple with applications	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 09:18
-	271	(authentication adj server) and burden	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 09:18
-	18	(authentication adj server) same burden	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/02 09:18